



4-14-04

2183
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Nir N. Shavit et al.

Title: MAINTAINING A DOUBLE-ENDED QUEUE IN A CONTINUOUS
ARRAY WITH CONCURRENT NON-BLOCKING INSERT AND
REMOVE OPERATIONS USING A DOUBLE COMPARE-AND-SWAP
PRIMITIVE

Application No.: 09/547,288

Filed: April 11, 2000

RECEIVED

Examiner: Aimee J. LI

Group Art Unit: 2183

APR 16 2004

Atty. Docket No.: 004-4663

Technology Center 2100

April 13, 2004

COMMISSIONER FOR PATENTS

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Alexandria, VA 22313-1450

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- ☒ Form(s) PTO-1449
☒ Other: Copies of 17 references

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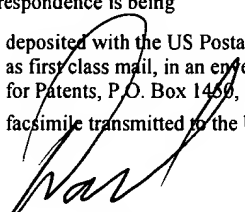
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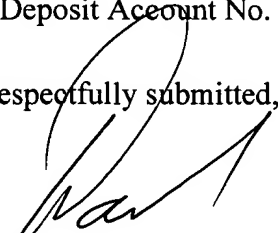
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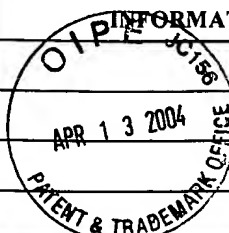

David W. O'Brien

13-Apr-04
Date

Respectfully submitted,


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U.S. Department of Commerce, Patent and Trademark Office				Attorney Docket No.: 004-4663	
				Application No.: 09/547,288	
 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant(s): Nir N. Shavit et al.	
				Filing Date: April 11, 2000	
				Group Art Unit: 2183	
				Date Submitted: April 13, 2004	
U.S. Patent Documents					
*Examiner Initial	1	Document Number	Date	Name	
	1	3,686,641	Aug. 22, 1972	Logan et al.	
	2	5,797,005	Aug. 18, 1998	Bahls et al.	
	3	6,223,335	Apr. 24, 2001	Cartwright, Jr. et al.	
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Foreign Patent Documents					
					Translation
		Document	Date	Country	Yes No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
	7	Agesen, Ole, et al.: "DCAS-Based Concurrent Deques," 12th Annual ACM Symposium on Parallel Algorithms and Architectures, July 9-12, 2000.			
	8	Blumofe, Robert D. et al., "Verification of a Concurrent Deque Implementation", University of Texas at Austin, Department of Computer Sciences, Technical Report TR99-11, June 1999.			
	9	Chuang, Tyng-Ruey et al., "Real-Time Deques, Multihead Turing Machines, and Purely Functional Programming", ACM, June 1993.			
	10	Farook, Mohammad et al., "Managing Long Linked Lists Using Lock Free Techniques", University of Manitoba, Canada, 1998.			
	11	Michael, Maged M. et al., "Simple, Fast, and Practical Non-Blocking and Blocking Concurrent Queue Algorithms", University of Rochester, Department of Computer Science, 1996.			
	12	Prakash, Sundeep et al., "Non-Blocking Algorithms for Concurrent Data Structures", University of Florida, July 1, 1991.			
	13	Prakash, Sundeep et al., "A Nonblocking Algorithm for Shared Queues Using Compare-and-Swap", IEEE Transactions on Computers, Vol. 43, No. 5, May 1994.			
	14	Shann, Chien-Hua et al., "A Practical Nonblocking Queue Algorithm Using Compare-and-Swap", IEEE, July 2000.			
	15	Turek, John et al., "Locking Without Blocking: Making Lock Based Concurrent Data Structure Algorithms Nonblocking", ACM, 1992.			
Examiner			Date Considered		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.					

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